

1 **In the Claims:**

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3 **1. (Currently Amended)** A printing system, comprising:

4 a print unit;

5 a calibration system having a learning mode operable to receive a master  
6 calibration page containing color value indicia, and further operable to measure  
7 the color value indicia to determine target color values each corresponding to a  
8 color value indicia; and

9 wherein the calibration system is configured to utilize one or more of the  
10 target color values to calibrate the print ~~unit~~unit; and

11 wherein the calibration system has a normal mode that can be selected as an  
12 alternative to the learning mode, the normal mode being operable to calibrate the  
13 print unit according to the one or more target color values.

14  
15 **2. (Cancelled)**

16 **3. (Cancelled)**

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18 **4. (Currently Amended)** A printing system as recited in claim 1, wherein the  
19 calibration system is further configured to generate a target color value curve from  
20 the measured color value indicia, and wherein ~~the calibration system has a normal~~  
21 ~~mode that can be selected as an alternative to the learning mode, the normal mode~~  
22 ~~being~~is operable to calibrate the print unit according to the target color value  
23 curve.  
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1     **5. (Original)** A printing system as recited in claim 1, further comprising:  
2         a first printing device that includes the print unit and the calibration system;  
3     and  
4         one or more additional printing devices each configured to (i) receive the  
5     master calibration page (ii) measure the color value indicia to determine the target  
6     color values, and (iii) utilize the target color values to calibrate a print unit of each  
7     respective printing device such that the print units are calibrated substantially  
8     similar.

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10    **6. (Original)** A printing system as recited in claim 1, wherein the calibration  
11    system is further configured to identify a designation area of the master calibration  
12    page that distinguishes the master calibration page from a local calibration page.

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14    **7. (Original)** A printing system as recited in claim 1, wherein the calibration  
15    system comprises one or more sensors each configured to measure the color value  
16    indicia.

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18    **8. (Original)** A printing system as recited in claim 1, wherein the color value  
19    indicia are in a finished state on the master calibration page.

20  
21    **9. (Original)** A printing system as recited in claim 1, wherein:  
22         the print unit is a component of a printing device; and  
23         the calibration system is external to the printing device.  
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1 **10. (Original)** A printing system as recited in claim 1, wherein:  
2 the print unit is configured to apply a colorant to a test element;  
3 the calibration system is further configured to:  
4 measure colorant levels of the colorant applied to the test element before  
5 the colorant is in a finished state;  
6 convert the measured colorant levels to corresponding predicted color  
7 values based on a correlation between colorant levels and color values;  
8 compare the predicted color values to the target color values; and  
9 calibrate the print unit if a difference between the predicted color values  
10 and the target color values exceeds a threshold value.

11  
12 **11. (Original)** A printing system as recited in claim 10, wherein:  
13 the print unit is further configured to apply the colorant to a print media;  
14 the calibration system is further configured to:  
15 measure color values of the colorant applied to the print media after the  
16 colorant is in the finished state; and  
17 establish the correlation between the measured colorant levels and the  
18 measured color values.

1 **12. (Currently Amended)** A printing system, comprising:  
2 a print unit;  
3 a calibration system having a selectable one of:  
4 a learning mode operable to receive a master calibration page containing  
5 color value indicia, and further operable to measure the color value indicia to  
6 determine target color values each corresponding to a color value indicia; and  
7 a normal mode operable to calibrate the print unit according to one or more  
8 of the target color values;  
9 wherein at least one of the learning mode and the normal mode is selected  
10 via a user interface.

11  
12 **13. (Original)** A printing system as recited in claim 12, wherein the normal  
13 mode is further operable to calibrate the print unit according to preset target color  
14 values.

15  
16 **14. (Original)** A printing system as recited in claim 12, wherein the calibration  
17 system is configured to generate a target color value curve from the measured  
18 color value indicia, and wherein the normal mode is further operable to calibrate  
19 the print unit according to the target color value curve.

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21 **15. (Cancelled)**  
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1 **16. (Original)** A printing system as recited in claim 12, wherein the master  
2 calibration page contains a designation area that initiates the calibration system to  
3 select the learning mode.  
4

5 **17. (Original)** A printing system as recited in claim 12, wherein the calibration  
6 system is operable to identify a designation area of the master calibration page that  
7 distinguishes the master calibration page from a local calibration page, and  
8 wherein the calibration system is further operable to select the learning mode  
9 when identifying the designation area of the master calibration page.  
10

11 **18. (Original)** A printing system as recited in claim 12, further comprising:  
12 a first printing device that includes the print unit and the calibration system;  
13 and  
14 one or more additional printing devices each configured to (i) receive a  
15 duplicate of the master calibration page containing substantially identical color  
16 value indicia, (ii) measure the substantially identical color value indicia to  
17 determine the target color values, and (iii) utilize the target color values to  
18 calibrate a print unit of each respective printing device such that the print units are  
19 calibrated substantially similar.  
20

21 **19. (Original)** A printing system as recited in claim 12, wherein the calibration  
22 system comprises one or more sensors each configured to measure the color value  
23 indicia.  
24  
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1 **20. (Original)** A printing system as recited in claim 12, wherein the color value  
2 indicia are in a finished state on the master calibration page.

3  
4 **21. (Original)** A printing system as recited in claim 12, wherein:  
5 the print unit is configured to apply a colorant to a test element;  
6 the calibration system is configured to:  
7 measure colorant levels of the colorant applied to the test element before  
8 the colorant is in a finished state;  
9 convert the measured colorant levels to corresponding predicted color  
10 values based on a correlation between colorant levels and color values;  
11 compare the predicted color values to the target color values; and  
12 calibrate the print unit if a difference between the predicted color values  
13 and the target color values exceeds a threshold value.

14  
15 **22. (Currently Amended)** A printing system as recited in ~~claim 22~~claim 12,  
16 wherein:  
17 the print unit is further configured to apply the colorant to a print media;  
18 the calibration system is further configured to:  
19 measure color values of the colorant applied to the print media after the  
20 colorant is in the finished state; and  
21 establish the correlation between the measured colorant levels and the  
22 measured color values.

1 **23. (Currently Amended)** One or more computer-readable media comprising  
2 computer-executable instructions that, when executed, direct a printing device to  
3 (i) receive a master calibration page containing color value indicia, (ii) measure  
4 the color value indicia to determine target color values each corresponding to a  
5 color value indicia, ~~and~~ (iii) utilize one or more of the target color values to  
6 calibrate a print unit, and (iv) initiate a calibration system operable to identify a  
7 designation area of the master calibration page that distinguishes the master  
8 calibration page from a local calibration page.

9  
10 **24. (Original)** One or more computer-readable media as recited in claim 23,  
11 further comprising computer-executable instructions that, when executed, direct  
12 the printing device to initiate a normal mode operable to calibrate the print unit  
13 according to the one or more target color values.

14  
15 **25. (Original)** One or more computer-readable media as recited in claim 23,  
16 further comprising computer-executable instructions that, when executed, direct  
17 the printing device to initiate a learning mode to receive the master calibration  
18 page and measure the color value indicia.

19  
20 **26. (Original)** One or more computer-readable media as recited in claim 23,  
21 further comprising computer-executable instructions that, when executed, direct  
22 the printing device to operate in conjunction with a calibration system to calibrate  
23 the print unit.

1 **27. (Cancelled)**

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3 **28. (Original)** One or more computer-readable media as recited in claim 23,  
4 further comprising computer-executable instructions that, when executed, direct  
5 the printing device to generate a target color value curve from the measured color  
6 value indicia and calibrate the print unit according to the target color value curve.

7  
8 **29. (Currently Amended)** One or more computer-readable media comprising  
9 computer-executable instructions that, when executed, direct a printing device to  
10 operate in a selectable one of a learning mode and a normal mode:

11 when in the learning mode, receive a master calibration page containing  
12 color value indicia and measure the color value indicia to determine target color  
13 values each corresponding to a color value indicia; and

14 when in a normal mode, calibrate a print unit according to one or more of  
15 the target color ~~values~~values; and

16 direct the printing device when in the learning mode to identify a  
17 designation area of the master calibration page that distinguishes the master  
18 calibration page from a local calibration page

19  
20 **30. (Original)** One or more computer-readable media as recited in claim 29,  
21 further comprising computer-executable instructions that, when executed, direct  
22 the printing device to operate in conjunction with a calibration system.



1 **31. (Original)** One or more computer-readable media as recited in claim 29,  
2 further comprising computer-executable instructions that, when executed, direct  
3 the printing device when in the learning mode to generate a target color value  
4 curve from the measured color value indicia, and when in the normal mode to  
5 calibrate the print unit according to the target color value curve.

6  
7 **32. (Cancelled)**

8  
9 **33. (Currently Amended)** A method for calibrating a printing device,  
10 comprising:

11 receiving color value indicia;

12 measuring the color value indicia to determine target color values each  
13 corresponding to a color value indicia; and

14 utilizing one or more of the target color values to calibrate the printing  
15 ~~device.~~device; and

16 identifying a designation area of a master calibration page that contains the  
17 color value indicia, the designation area distinguishing the master calibration page  
18 from a local calibration page.

19  
20 **34. (Original)** A method as recited in claim 33, wherein receiving the color  
21 value indicia includes receiving a master calibration page containing the color  
22 value indicia.

1 **35. (Original)** A method as recited in claim 33, wherein the color value indicia  
2 is received from an external calibration system that communicates the color value  
3 indicia to the printing device.

4  
5 **36. (Original)** A method as recited in claim 33, further comprising  
6 communicating the target color values to the printing device, wherein:

7 an external calibration system receives a master calibration page containing  
8 the color value indicia, measures the color value indicia, and communicates the  
9 one or more target color values to the printing device; and

10 the printing device utilizes the one or more target color values.

11  
12 **37. (Currently Amended)** A method as recited in ~~claim 32~~claim 33, further  
13 comprising generating a target color value curve from the measured color value  
14 indicia.

15  
16 **38. (Original)** A method as recited in claim 33, further comprising calibrating  
17 a plurality of printing devices according to the one or more target color values.

18  
19 **39. (Original)** A method as recited in claim 33, wherein receiving the color  
20 value indicia includes receiving a master calibration page containing the color  
21 value indicia with a calibration system.

1 **40. (Original)** A method as recited in claim 33, further comprising sensing the  
2 color value indicia with one or more sensors of a calibration system to measure the  
3 color value indicia.

4  
5 **41. (Cancelled)**

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7 **42. (Original)** A method for calibrating a plurality of printing devices such that  
8 each of the printing devices are calibrated to generate substantially similar color  
9 values, each of the printing devices being calibrated according to the method as  
10 recited in claim 33.

11  
12 **43. (Original)** A method for calibrating a plurality of printing devices such that  
13 each printing device is calibrated to generate substantially similar color values,  
14 each of the printing devices being calibrated according to the method as recited in  
15 claim 33, and wherein each of the printing devices receive a master calibration  
16 page containing the color value indicia.

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18 **44. (Cancelled)**  
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1     **45.**     (New) A printing system, comprising:

2             a print unit;

3             a calibration system having a selectable one of:

4                 a learning mode operable to receive a master calibration page  
5             containing color value indicia, and further operable to measure the color value  
6             indicia to determine target color values each corresponding to a color value  
7             indicia; and

8                 a normal mode operable to calibrate the print unit according to one  
9             or more of the target color values;

10             wherein the master calibration page contains a designation area that  
11             initiates the calibration system to select the learning mode.